

#### ABSTRACT OF THE DISCLOSURE

A coating type optical film has a linear polarizer formed on a high brightness optical film such as a circular polarizer formed using cholesteric liquid crystal and a phase difference film or an interference type linear polarizer using a coating method. In forming the linear polarizer by coating liquid crystal on the interference type linear polarizer, the liquid crystal is coated by using a bar coating method, a knife coating method or a slit-die coating method. The coated liquid crystal is lyotropic liquid crystal. The lyotropic liquid crystal can include dye and pigment. The linear polarizer formed in this way has an E-mode polarization.